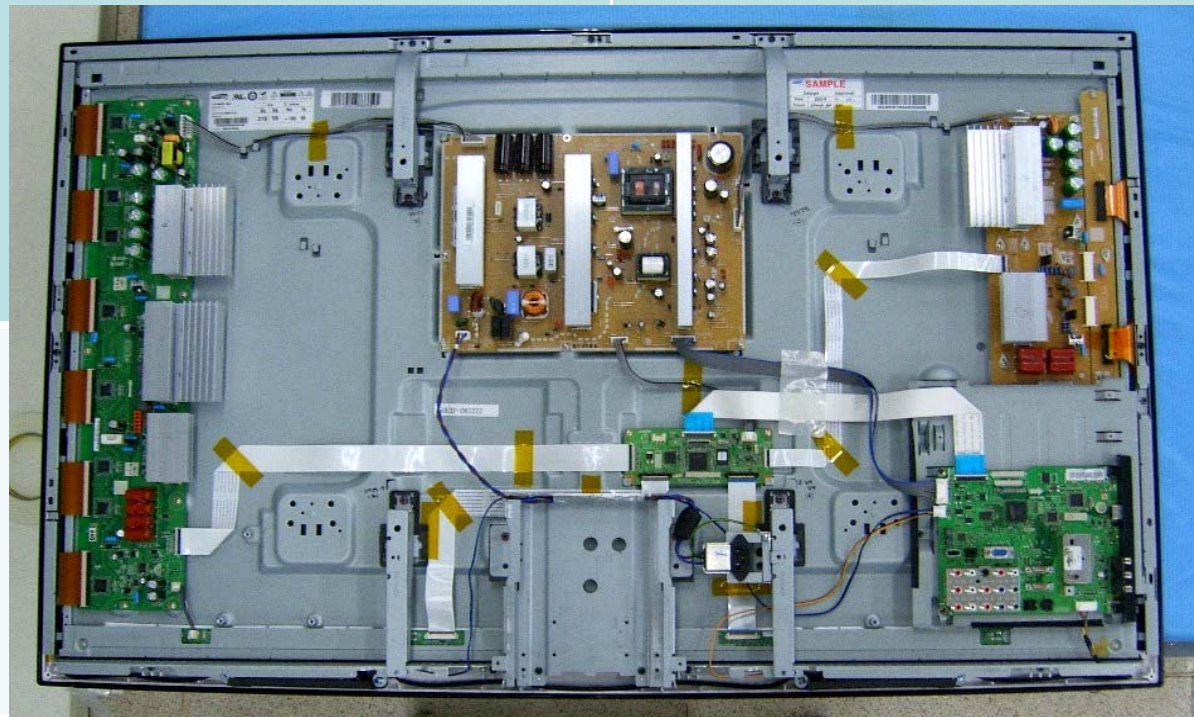


**Hot Item:**

Distorted Video: Use the internal test patterns in both the main board (FE2) and the Logic board located within the service menu test patterns to determine location of distorted video prior to removing the rear cover. Refer to GSPN

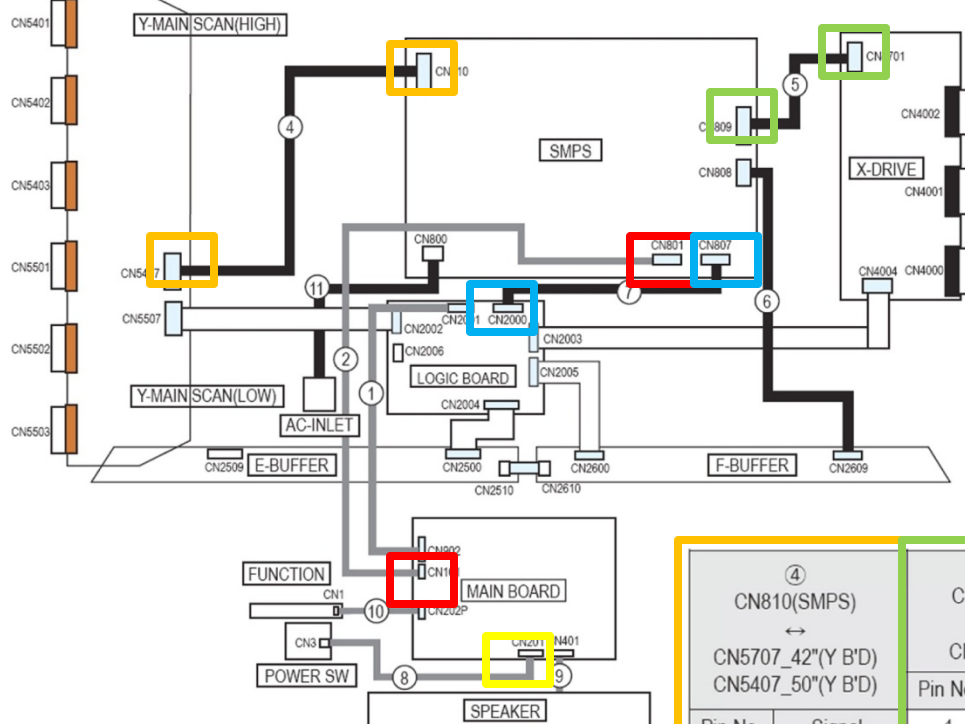
Firmware version : ver.1021.1

- If customer turns unit off and back on,
 - . Loss of channels
 - . the TV displays "Weak or no signal"
 - . the cable system's setting always changes from "HRC" to "STD" though he set it to "HRC" before
- The problem happens at the region where the cable system is "HRC" or "IRC"

No Service Bulletins

Version	Parts No	Short Description
SV15 S401 SV13		
ST10 SL03 ST09		
SW16 SL04 S602	BN44-00274A	Power PCB
BL08	BN44-00274B	Power PCB
S602 SL04	BN94-02841A	Main PCB
ST09 ST10 SL04		
SV13 SL03 S602		
BL08 S401	BN96-09736A	X Main
SV13 SL03 ST10		
S401 S602 ST09		
BL08 SL04	BN96-09737A	Buffer X
SL04 ST09 S401		
S602 SL03 ST10		
BL08	BN96-09738A	Y Main
S401 SL03 S602		
ST09 BL08 SL04		
ST10	BN96-09739A	Logic Main PCB
ALL	BN96-09740A	Buffer E
ALL	BN96-09741A	Buffer F
ALL	BN96-10377C	Function & IR PCB
SW16 SV15	BN96-12388A	X Main
SW16 SV15	BN96-12389A	Buffer X
SW16 SV15	BN96-12390A	Y Main
SV13	BN96-12390A	Y Main
SV15 SW16 SV13	BN96-12391A	Buffer Y
SW16 SV13 SV15	BN96-12392A	Logic Main PCB
S401 ST10 ST09		
BL08 SL03 SV13		
SV15 SW16	BN96-12433A	Main PCB
SL03 BL08 SL04	BN67-00225A	Glass EMI Filter
S401 SV15 SV13		
S602	BN67-00250A	Glass EMI Filter
ST10	BN67-00255A	Glass EMI Filter
ST09 S602 SL04		
S401 SV13 SL03	BN96-09789A	Panel
ST10	BN96-09790A	Panel
BL08	BN96-09931A	Panel
SV15 SW16	BN96-12386A	Panel
ALL	6002-001294	Stand Screw
ALL	BN96-09927A	Stand Base
ALL	BN96-10204A	Front Cover
S602 S401 ST09		
ST10 BL08 SV13		
SL03 SL04	BN96-10206A	Rear Cover
SW16 SV15	BN96-10206V	Rear Cover
ALL	BN40-00138A	Tuner
ALL	BN96-07766N	LVDS Cable
ALL	BN96-09464B	Speaker Left
ALL	3903-000467	Power Cord
ALL	4301-000103	Battery
ALL	BN59-00856A	Remote
ALL	BN63-01798B	Cleaning Cloth
ALL	BN96-09833A	Accessory Pack

<50" Overall Wiring>



② CN101(MAIN B'D) ↔ CN801(MAIN SMPS)			
Pin No.	Signal	Pin No.	Signal
1	PS_ON	13	D5.3V
2	VS_ON	14	D5.3V
3	STBY	15	D5.3V
4	GND_STBY	16	D5.3V
5	GND_15Vamp	17	GND_15V
6	GND_15Vamp	18	GND_15V
7	15Vamp	19	D15V
8	15Vamp	20	GND_15V
9	GND_5.3V	21	D15V
10	GND_5.3V	22	D15V
11	GND_5.3V	23	AC_DET
12	GND_5.3V	24	NC[VI]

④ CN810(SMPS) ↕ CN5707_42"(Y B'D) CN5407_50"(Y B'D)		⑤ CN809(SMPS) ↕ CN4701(X B'D)		⑦ CN807(SMPS) ↕ CN2000(LOGIC B'D)		⑧ CN201(MAIN B'D) ↕ POWER&IR		⑨ CN401(MAIN B'D) ↕ SPEAKER	
Pin No.	Signal	Pin No.	Signal	Pin No.	Signal	Pin No.	Signal	Pin No.	Signal
1	Vs	1	Vs	1	D5.3V	1	IR	1	R+_OUT
2	Vs	2	Vs	2	D5.3V	2	GND	2	R-_OUT
3	GND	3	GND	3	GND	3	A5V	3	L+_OUT
4	Vg	4	GND	4	GND	4	LED_STB	4	L-_OUT
5	GND	5	Vg	5	Vg	5	BUZZER	⑪ CN800(SMPS) ↕ AC INLET	
6	Va					6	KEY_INPUT1		
						7	KEY_INPUT2		
						8	GND	Pin No.	Signal
						9	NC	1	AC Neutral
						10	NC	2	N/C
								3	AC Live

Support Sheet

To do list:

Option bytes should always be verified before and after the repair.

Quick links listed below for training, triage and Help.

Option Byte setting

	PN50B450B1DXZA	PN50B450B1DXZA
Type	50HSpB4D	50HSpC4D
Model	PB450	PB450
Tuner	ALPS	ALPS
Region	US	US
DDR	SAMSUNG	SAMSUNG
Light Effect	Off	Off
Audio AMP	NTP3200	NTP3200
Local Set	Other	Other
Exhibition Mode	Off	Off

Training

Plus One

<http://my.plus1solutions.net/clientPortals/samsung/>

Help

GSPN

http://service.samsungportal.com/EP/web/portal/jsp/EP_Default1.jsp